

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously presented) A shape memory polymer composition consisting essentially of a liquid isocyanate which is bifunctional or trifunctional or a mixture of bifunctional and trifunctional liquid isocyanates, and a polyol having an average molecular weight of from 100 to 550, with a molar ratio in terms of functional groups of liquid isocyanate : polyol = 0.9 to 1.1 : 1.0, wherein the polymer composition has a viscosity of 1000 cps or less and a pot life of 30 minutes or longer, and a cured product of the polymer composition has a glass transition point (Tg) of 40 to 150°C.

2. (Original) A shape memory polymer composition according to claim 1, wherein the polyol contains at least 50 wt.% of polypropylene glycol.

3. (Original) A shape memory polymer composition according to claim 1 or 2, wherein the polyol is bifunctional.

4. (Previously presented) A fiber reinforced plastic comprising:
a shape memory polymer composition as a matrix resin comprising a liquid isocyanate which is bifunctional or trifunctional or a mixture of bifunctional and trifunctional isocyanates, and a polyol having an average molecular weight of from 100 to 550, with a molar ratio in terms of functional groups of isocyanate : polyol = 0.9 to 1.1 : 1.0, wherein a cured product of the shape memory polymer composition has a glass transition point (Tg) of 40 to 150°C; and
a fibrous material.

5. (Original) A fiber reinforced plastic according to claim 4, which contains 25 to 95 vol. % of the shape memory polymer composition and 5 to 75 vol. % of the fibrous material.

6. (Previously presented) A production process of a fiber reinforced plastic, which comprises:

preparing a shape memory polymer composition having a liquid bifunctional isocyanate and/or a liquid trifunctional isocyanate and a polyol having an average molecular weight of from 100 to 550, with a molar ratio in terms of functional groups of isocyanate : polyol = 0.9 to 1.1 : 1.0, wherein a cured product of the shape memory polymer composition has a glass transition point (Tg) of 40 to 150°C;

impregnating a fibrous material with a matrix resin of the composition; and then curing the impregnated fibrous material.

7. (Original) A production process of a fiber reinforced plastic according to claim 6, wherein the polyol contains at least 50 wt.% of polypropylene glycol.

8. (Original) A production process of a fiber reinforced plastic according to claim 7, wherein the polyol is bifunctional.

9. (Original) A production process of a fiber reinforced plastic according to any one of claims 6 to 8, wherein at least two layers of the impregnated fibrous material were stacked one after another, caused to stick closely each other, pressurized and cured as a laminate having a multilayer structure.

10. (Previously presented) A fiber reinforced plastic according to claim 4, wherein the polyol contains at least 50 wt.% of polypropylene glycol.

11. (Previously presented) A fiber reinforced plastic according to claim 4, wherein the polyol is bifunctional.

12. (Previously presented) A production process of a fiber reinforced plastic according to claim 6, which contains 25 to 95 vol. % of the shape memory polymer composition and 5 to 75 vol. % of the fibrous material.

13. (Previously presented) A shape memory polymer composition according to claim 1, wherein the average molecular weight is from 100 to 250 and the Tg is from 70 to 150°C.

14. (Currently amended) A fiber reinforced plastic shape memory polymer composition according to claim 4, wherein the average molecular weight is from 100 to 250 and the Tg is from 70 to 150°C.

15. (Currently amended) A production process shape memory polymer composition according to claim 6, wherein the average molecular weight is from 100 to 250 and the Tg is from 70 to 150°C.

16. (Currently amended) A production process shape memory polymer composition according to claim 6, wherein the fibrous material with a matrix resin of the composition is molded by a resin transfer molding, an RTM.